

---

□ Membrane separation and activated sludge wastewater treatment method

L20 ANSWER 34 OF 121 HCA COPYRIGHT 2002 ACS  
AN 131:120210 HCA  
IN Izumi, Kiyoshi; Yamada, Yutaka; Nushi, Masaharu  
PA Kubota, Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11197685	A2	19990727	JP 1998-6193	19980116

AB This wastewater treatment method for treating wastewater by activated sludge while solid-liq. sepg. wastewater by a membrane sepn. app. in an aeration tank includes a process of adding a washing particle to wastewater at the time of starting operation of an aeration app. The washing particle is fluidized by aeration **air flow** and consequently generated wastewater flow for **washing** the **membrane** surface of the membrane sepn. app. Without requiring seed sludge addn., clogging of the sepn. membrane of the membrane sepn. app. is suppressed and the filtration rate is kept high.

---